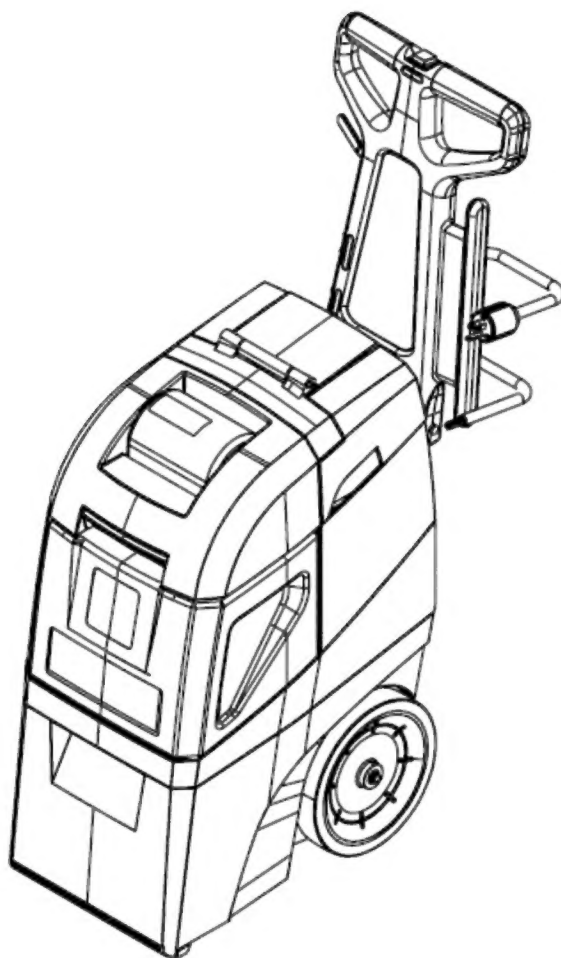


X3 SERVICE MANUAL



4701 Old Shepard Place
Plano, TX 75093



WARNING!

TO AVOID POTENTIAL INJURY FROM FIRE OR ELECTRICAL SHOCK:

**DO NOT PERFORM ANY MAINTENANCE OR CLEANING OPERATIONS
ON THE UNIT UNTIL YOU HAVE ASSURED THAT ALL POWER IS
DISCONNECTED FROM THE UNIT.**

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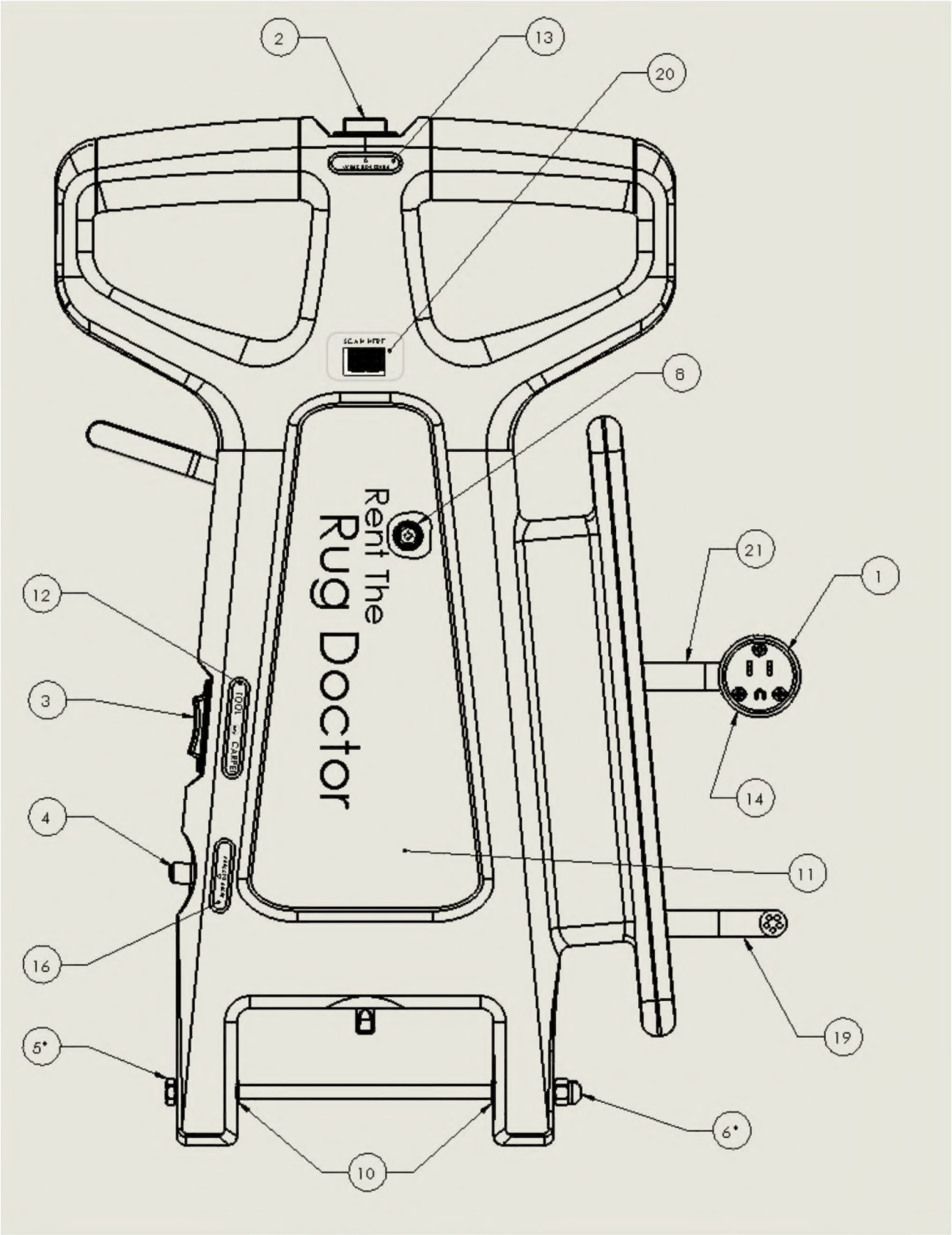
SECTION 1: HANDLE

1.1 HANDLE BOM

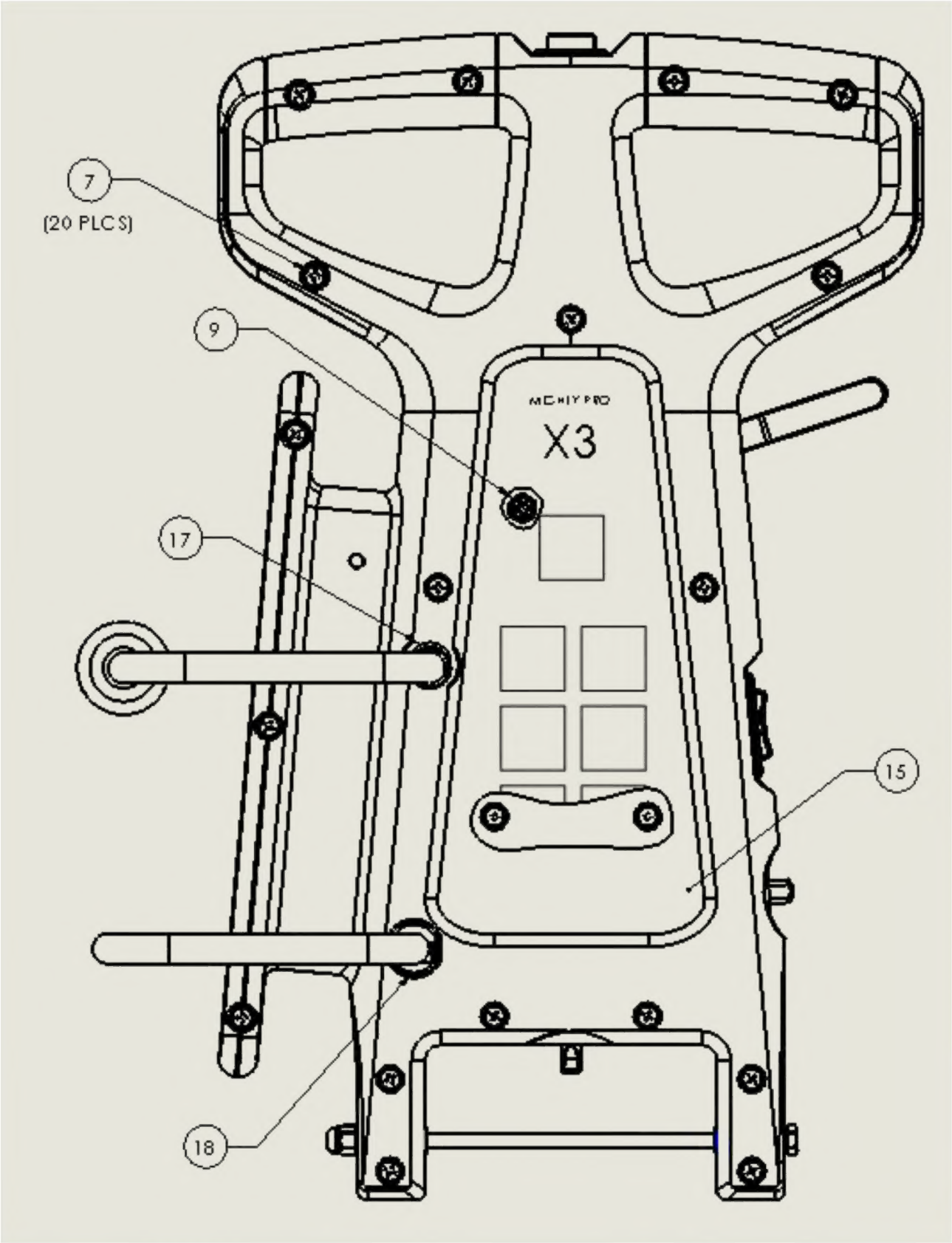
RD = RED UNIT, BU = BLUE UNIT, NUMBER ONLY = BOTH

ITEM	PART #	DESCRIPTION	QTY.
1 RD	51096	PLUG, ST BLADE, 15A, 125V, UL/CSA	1
1 BU	91651	ALCI PLUG & CORD, 28 FT.	1
2	51160	SWITCH, PUSHBUTTON, RED	1
3	51107	SWITCH, ROCKER, ON-OFF-ON	1
4	51129	CIRCUIT BREAKER, 15A	1
5	20386	BOLT, 1/4-20 X 7-1/2"	1
6	20859	ACORN NUT, 1/4-20	1
7	20962	SCREW, 10-16 X 3/4" SST PHILLIPS HEAD	20
8	20966	SCREW, 8-32 X 7/8" SST BUTTON HEAD	1
9	51061	NUT NYLOCK 8-32 SST	1
10	41189	BUSHING	2
11 RD	77015	LABEL, FRONT LOGO	1
11 BU	77011		1
12 RD	77016	LABEL, ON-OFF CRPT/UPH	1
12 BU	77010		1
13 RD	77014	LABEL, PRESS FOR SPRAY	1
13 BU	77008		1
14	77007	LABEL, CAUTION/GROUND	1
15 RD	77018	LABEL REAR, CARPET/UPHOLSTERY INSTRUCTIONS	1
15 BU	77003		1
16 RD	77017	LABEL, CIRCUIT BREAKER RESET	1
16 BU	77002		1
17 BU	60795	GROMMET, HEYCO 1232	1
18	60794	GROMMET, HEYCO 1497	1
19	55321	5 CONDUCTOR CORD, WIRE HARNESS	1
20	77025	LABEL, SCAN HERE	1
21 RD	55880	CORD, POWER, 16/3, 22 FT. BLACK, SJT, UL	1

1.2 HANDLE DIAGRAM, FRONT



1.3 HANDLE DIAGRAM, REAR



1.4 HANDLE

- 1.4.1 Remove handle bolt.
- 1.4.2 Remove labels from front and rear of handle.
- 1.4.3 Release power cord and wire harness strain reliefs, items 18 and 19.
- 1.4.4 Using caution, handle release lever is under spring tension. Remove handle release lever screw and hex nut, items 8 and 9.
- 1.4.5 Remove handle screws, quantity 20.
- 1.4.6 Loosen circuit breaker mounting nut.
- 1.4.7 Carefully remove the front handle cover.

After performing any of the following SECTION 1 repairs, continue with SECTION 1.5:

1.5 HANDLE REASSEMBLY

- 1.5.1 Insure all wires are properly replaced in wire traps.
- 1.5.2 Replace handle cover over the bottom enclosure.
- 1.5.3 Carefully replace the handle release assembly by allowing the lever to slide between the handle halves until the lever hole aligns with the handle holes. Replace the screw and nut, and push the lever into its original position. Use caution, the lever will be under tension.
- 1.5.4 Secure the handle halves together by replacing the handle screws.
- 1.5.5 Replace the power cord and wire harness clamps and secure them into the handle.
- 1.5.6 Replace the labels.
- 1.5.7 Replace the handle bolt to secure the handle to the housing.

1.6 CIRCUIT BREAKER

Follow steps in Section 1.4, then:

Remove wiring and check continuity of circuit breaker, item 4. Replace as necessary.

If no other repairs are necessary, continue with Section 1.5.

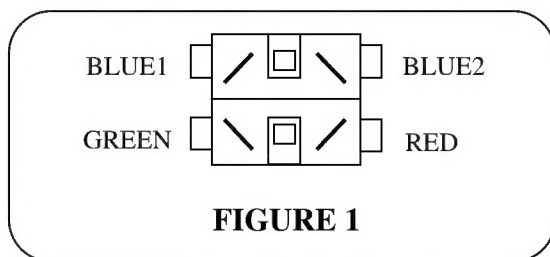
1.7 PUSHBUTTON SWITCH

Follow steps in Section 1.4, then:

Reference FIGURE 1: Remove wiring and check continuity of the pushbutton switch. There should be no continuity without the pushbutton depressed. With the pushbutton depressed, there should be continuity between BLUE1 and GREEN, and also between BLUE2 and RED.

Replace as necessary.

If no other repairs are necessary, continue with Section 1.5.



1.8 ROCKER SWITCH

Follow steps in Section 1.4, then:

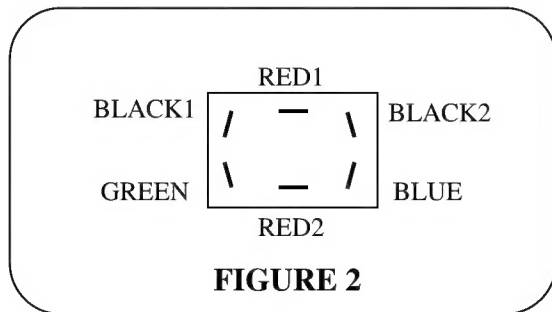
Reference FIGURE 2: Remove wiring and check continuity of rocker switch.

"OFF" position: there should be no continuity between RED1 and BLACK1 nor RED1 and BLACK2. There should also be no continuity between RED2 and GREEN, nor between RED2 and BLUE.

"CARPET" position: there should be continuity between RED1 and BLACK2, and also between RED2 and BLUE. There should be no continuity between RED1 and BLACK1, nor between RED2 and GREEN.

"TOOL" position: there should be continuity between RED1 and BLACK1, and also between RED2 and GREEN. There should be no continuity between RED1 and BLACK2, nor between RED2 and BLUE. Replace as necessary.

If no other repairs are necessary, continue with Section 1.5.



1.9 HANDLE RELEASE MECHANISM

Follow steps in Section 1.4, then:

If handle release mechanism is not operating properly, replace assembly.

If no other repairs are necessary, continue with Section 1.5.

1.10 INTERNAL WIRING, HANDLE

Follow steps in Section 1.4, then:

Check wiring for pinching. Replace wiring that shows copper where the wire is pinched. Also, check continuity of the wiring to insure no loss of continuity where the wire is pinched. Replace as necessary.

If no other repairs are necessary, continue with Section 1.5.

1.11 POWER CORD

Follow steps in Section 1.4, then:

1.11.1 Remove the wire nut connecting the WHITE power cord wire to the BLUE from the harness.

1.11.2 Remove the wire nut connecting the GREEN power cord wire to the GREEN from the harness.

1.11.3 Disconnect the black wire from the circuit breaker.

1.11.4 Remove the power cord.

1.11.5 Connect the new power cord, WHITE, to the BLUE wire from the harness.

1.11.6 Connect the new power cord wire, GREEN, to the GREEN wire harness wire.

1.11.7 Connect the new power cord wire, BLACK, using a female wire connector, size 0.250 inch by 0.032 inch thick.

If no other repairs are necessary, continue with Section 1.5.

1.12 UPPER WIRE HARNESS

Follow steps in Section 1.4, then:

- 1.12.1 If it has not been removed, remove the wire nut connecting the WHITE power cord wire to the BLUE wire from the harness.
- 1.12.2 If it has not been removed, remove the wire nut connecting the GREEN power cord wire to the GREEN wire from the harness.
- 1.12.3 Remove the wire nut connecting the WHITE harness wire to the two GREEN switch wires.
- 1.12.4 Disconnect the RED harness wire from the pushbutton switch.
- 1.12.5 Remove the wire nut connecting the BLACK harness wires and the two BLACK switch wires.
- 1.12.6 Replace the wire harness and reconnect the wiring as previously connected above.
Note: Connect the new harness RED wire to the pushbutton switch using a female wire connector, size 0.250 inch by 0.032 inch thick.

If no other repairs are necessary, continue with Section 1.5.

Note: reference section 4.3, VACUUM COVER, and section 5.6, VACUUM MOTOR, for releasing the other end of the wire harness.

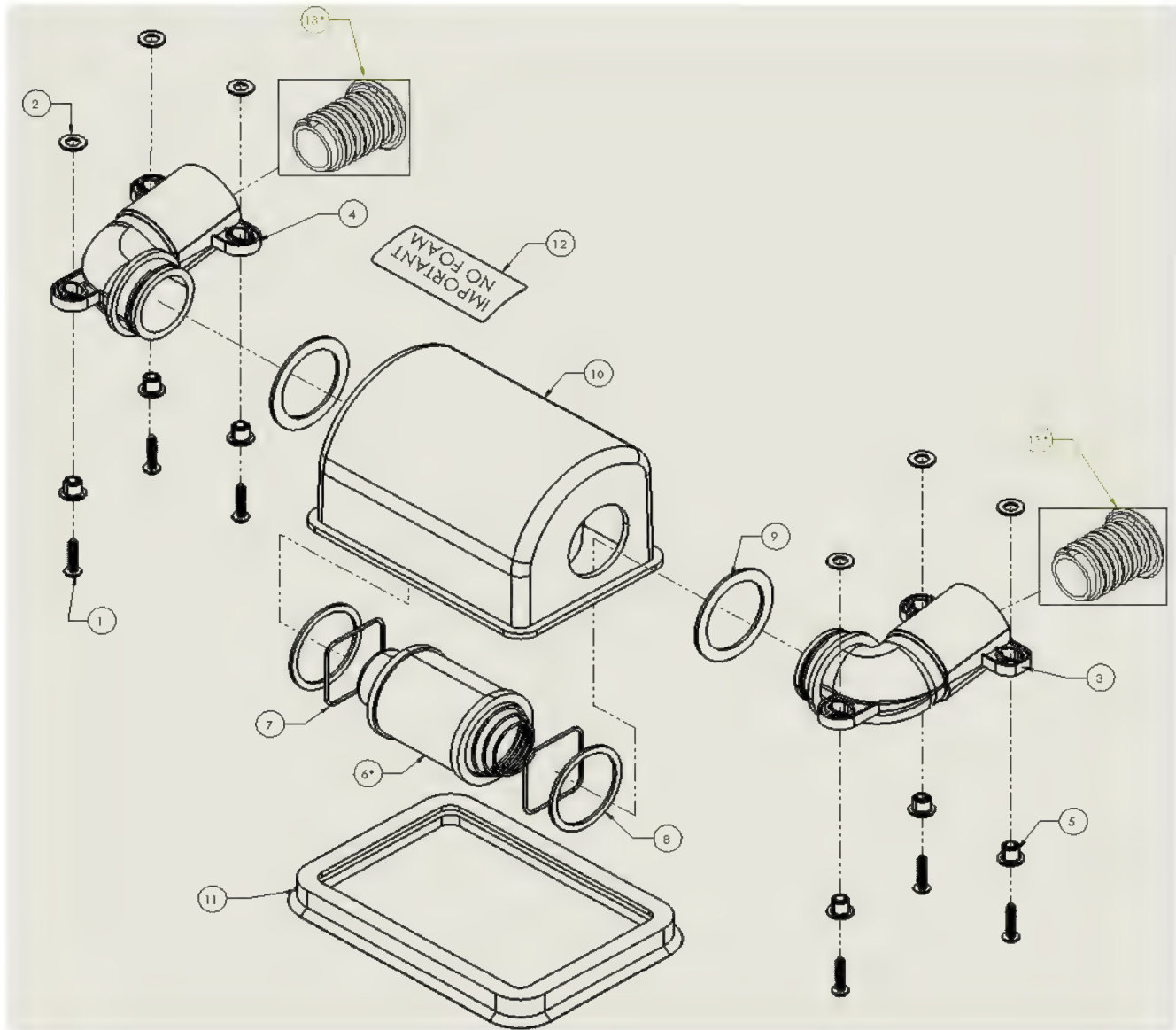
SECTION 2: DOME

2.1 DOME BOM

RD = RED UNIT, BU = BLUE UNIT, NUMBER ONLY = BOTH

ITEM	PART #	DESCRIPTION	QTY.
1	20965	SCREW, 8-18 X 3/4" SST	6
2	20967	FLAT WASHER, 1/2" OD	6
3	60787	ELBOW, 90° FLANGE A	1
4	60771	ELBOW, 90° FLANGE B	1
5	45185	BUSHING, DOME ELBOW	6
6	10460	FILTER SCREEN, WITH SPRING	1
7	41183	CLIP, RETAINER	2
8	60196	WASHER, PLASTIC, BLACK	2
9	60591	GASKET, ELBOW 2.0" OD	2
10	60769	DOME, CLEAR	1
11	60770	GASKET, DOME	1
12	71590	DECAL, NO FOAM	1
13	61082	DOME HOSE ADAPTER	2

2.2 DOME DIAGRAM



2.3 DOME

- 2.3.1 Open hood and remove the filter and compression spring.
- 2.3.2 Remove each of the retaining clips (item 7), from inside the dome.
- 2.3.3 Release each elbow by removing three (3) screws, inserts and washers in each.
- 2.3.4 The elbows may be removed by unscrewing them from the hoses (reverse threads).

2.4 DOME REASSEMBLY

- 2.4.1 Attach the elbows to the vacuum hoses (reverse threads).
- 2.4.2 Attach each elbow to the dome by using the black plastic washers and retainer clips.
- 2.4.3 Align and attach the assembly to the hood with three (3) screws through each elbow, bushings and washers.

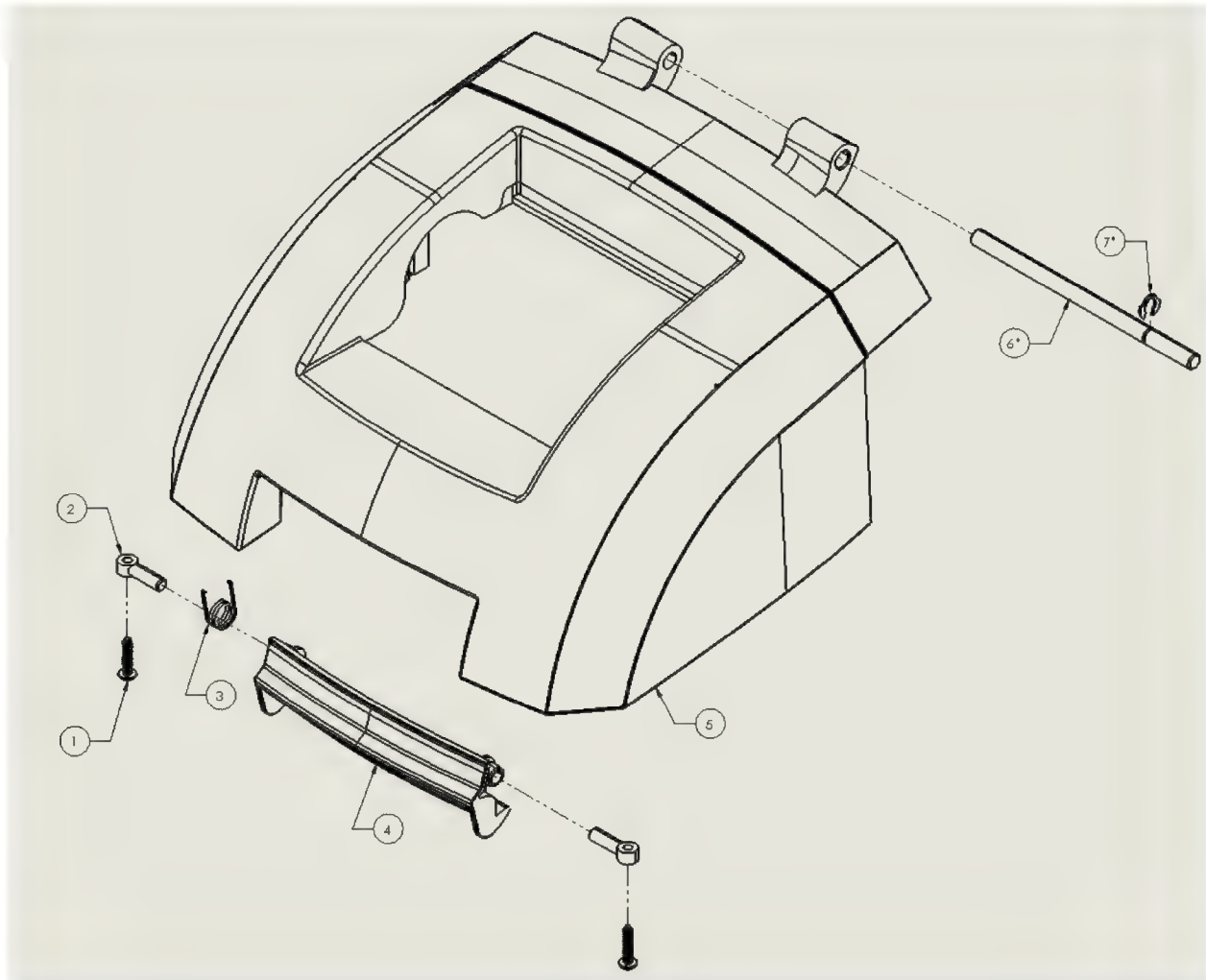
SECTION 3: HOOD

3.1 HOOD BOM

RD = RED UNIT, BU = BLUE UNIT, NUMBER ONLY = BOTH

ITEM	PART #	DESCRIPTION	QTY.
1	20965	SCREW, 8-18 X 3/4" SST	2
2	60790	PIN FOR LATCH	2
3	45186	SPRING FOR LATCH	1
4	60788	LATCH	1
5 RD	65419	HOOD (DOME COVER) RED	1
5 BU	60772	HOOD (DOME COVER) BLUE	1
6	45184	SHAFT, 5/16"	1
7	20604	RETAINING C-CLIP	1

3.2 HOOD DIAGRAM



3.3 HOOD

Following the procedure in section 2.3,

3.3.1 Remove the hood by removing the c-clip and driving the shaft out of the hinges.

3.3.2 Remove the handle by removing the two (2) screws at each end, being aware of the spring

3.4 HOOD REASSEMBLY

3.4.1 Replace the spring, and attach the handle.

3.4.2 Replace the hood with the shaft and c-clip.

Return to procedure in section 2.4.

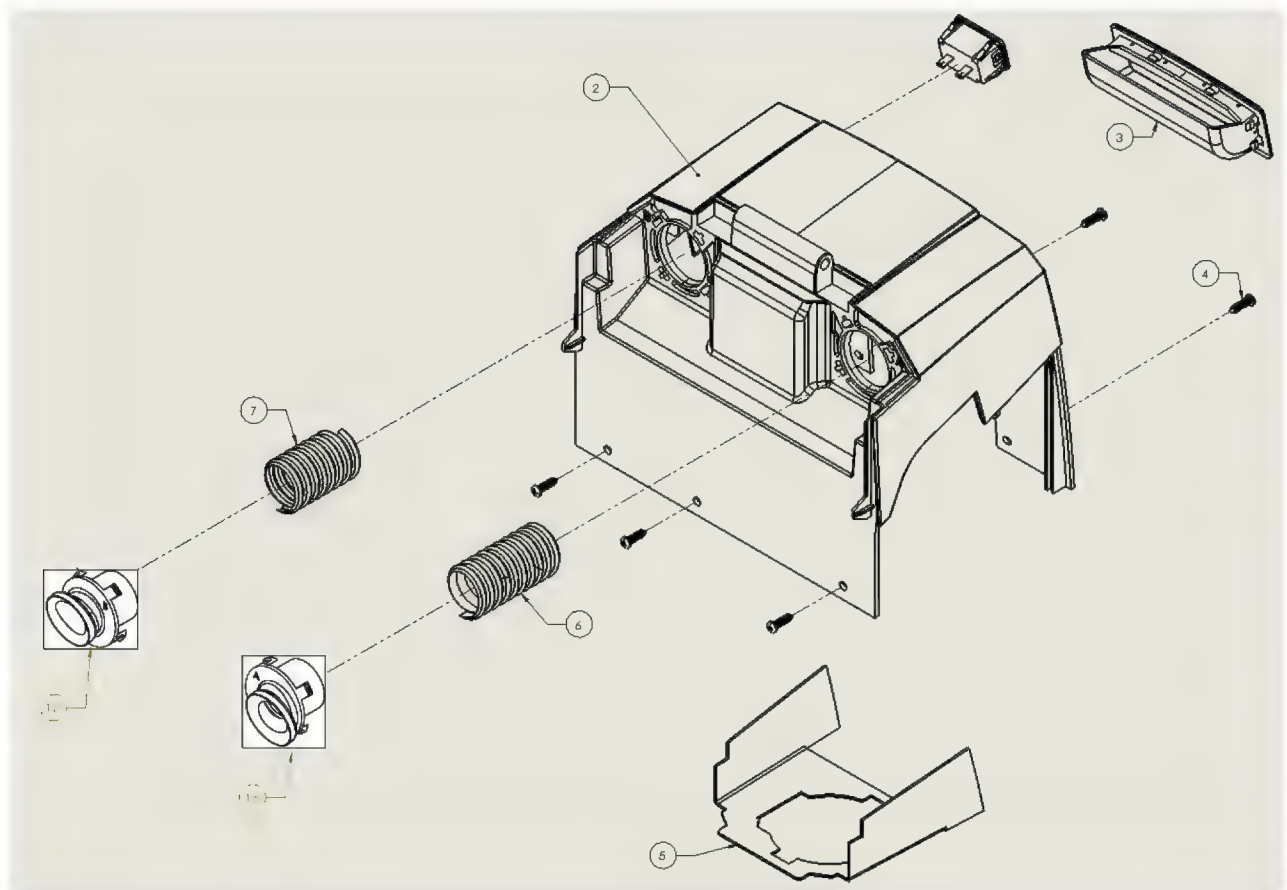
SECTION 4: VACUUM COVER

4.1 VACUUM COVER BOM

RD = RED UNIT, BU = BLUE UNIT, NUMBER ONLY = BOTH

ITEM	PART #	DESCRIPTION	QTY.
1A	61083	HOOD SEAL MANIFOLD "A"	1
1B	61084	HOOD SEAL MANIFOLD "B"	1
2 RD	65416	VAC COVER, RED	1
2 BU	65410	VAC COVER, BLUE	1
3	60791	HANDLE, CARRY, REAR	1
4	20962	SCREW, 10-16 X 3/4" (SOME ARE 1/2" FOR INSERTS)	5
5	60768	BAFFLE, VAC MOTOR	1
6	85251	HOSE, VAC (DOME TO HOSE CUFF)	1
7	85252	HOSE, VAC (DOME TO VAC MOTOR)	1
9 RD	51128	DIGITAL HOUR METER	1
12	60796	CABLE CLAMP, P-CLIP	2

4.2 VACUUM COVER DIAGRAM



4.3 VACUUM COVER

- 4.3.1 Items 1A and 1B, hood seal manifolds, are snap fit parts so they can be released from the vacuum cover with a flat head screwdriver.
- 4.3.2 After releasing the hood seal manifolds, the manifolds may be unscrewed (reverse threads) to release the hoses.
- 4.3.3 Remove the five (5) vacuum cover screws.
- 4.3.4 Lift the vacuum cover off of the main body.

4.4 VACUUM COVER REASSEMBLY

- 4.4.1 Place the vacuum cover over the vacuum motor and align the five screw holes with the main body and attach with five (5) screws. Insure the vacuum hoses are positioned through the vacuum cover holes.
- 4.4.2 Replace the hood seals, reverse threads.
- 4.4.3 Snap both hood seal manifolds back into position.

4.5 HOUR METER (only available on RED units)

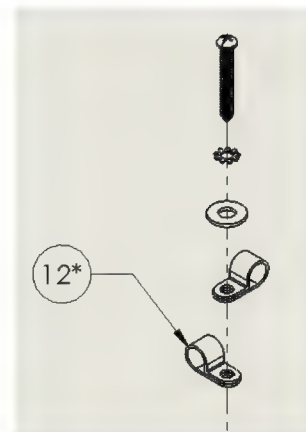
Follow steps in section 3.3, then:

- 4.5.1 The hour meter will release from the vacuum cover by depressing the spring clips on the connector side of the meter.
- 4.5.2 After removing the meter from the vacuum cover, disconnect the terminals.
- 4.5.3 Reconnect the new hour meter and snap back into the vacuum cover.
If no other repairs are necessary, continue with Section 3.4.

4.6 UPPER WIRE HARNESS

To replace the wire harness, this instruction shall be performed in addition to performing actions described in section 1.12. Follow steps in section 4.3,

- 4.6.1 Then, cut the wire tie to release all of the wires.
- 4.6.2 Remove the wire nuts connecting the following:
 - RED and ORANGE wires.
 - WHITE and BLACK wires.
 - BLUE, BLACK and WHITE wires.
 - GREEN wires.
- 4.6.3 Remove the screw holding the cable clamp p-clips and wire harnesses to the main housing.
- 4.6.4 Replace the wire harness.
- 4.6.5 Reconnect the wiring as previously connected above.
- 4.6.6 Replace the cable tie as previously assembled.
- 4.6.7 Replace cable clamp p-clips, item 12, that secure the wire harnesses, see below.
If no other repairs are necessary, continue with Section 4.4.



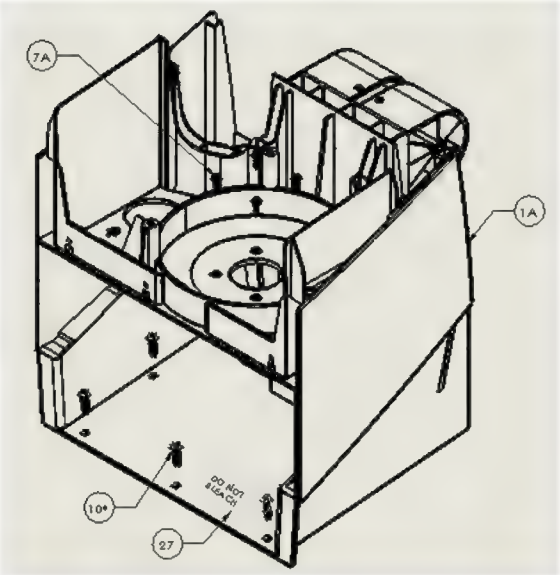
SECTION 5: VACUUM MOTOR AND MAIN BODY

5.1 MAIN BODY, VACUUM MOTOR, UPHOLSTERY CONNECTION BOM

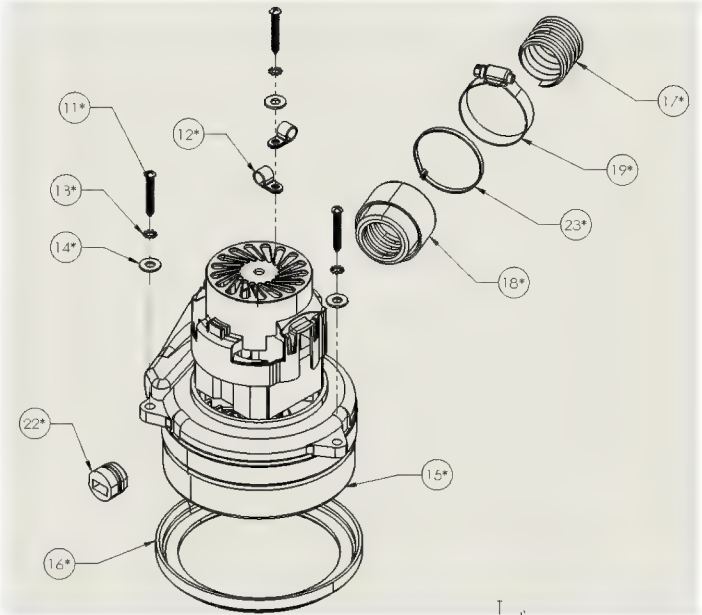
RD = RED UNIT, BU = BLUE UNIT, NUMBER ONLY = BOTH

ITEM	PART #	DESCRIPTION	QTY.
MAIN BODY			
1A RD	93111	MAIN SUPPORT ASSEMBLY	1
1A BU	93088	MAIN SUPPORT ASSEMBLY	1
7A	20348	SCREW, 6-20 X 1/2" SST	4
10	20962	SCREW, 10-16 X 3/4" SST	7
27 RD	77019	LABEL, "DO NOT USE BLEACH"	1
VACUUM MOTOR			
11	20961	SCREW, 10-16 X 1-1/2" SST	3
12	60796	CABLE CLAMP, P-CLIPS	2
13	19466	WASHER, LOCK #10 EXT	3
14	20853	WASHER, FLAT #10	3
15	50276	MOTOR, VACUUM 120V	1
16	65355	GASKET, VACUUM MOTOR	1
17	85250	HOSE, VACUUM EXHAUST	1
18	60726	COUPLING, THREADED	1
19	11996	CLAMP, HOSE 35-55mm	1
23	60166	CABLE TIE	2
UPHOLSTERY TOOL, QUICK CONNECTION			
9 RD	80820	COUPLER, QUICK CONNECT KIT, NICKEL	1
9 BU	80208	COUPLER, QUICK CONNECT KIT, BRASS	1
20	80775	ELBOW, BRASS, 1/4"	1
21	20907	WASHER, 0.562" ID	2
28	80784	QUICK-CONNECT PLUG	1
29	60725	WASHER	1
30	11845	HOSE CLAMP	2
VACUUM HOSE, MOTOR INLET			
5A	60661	ELBOW, VACUUM MOTOR	1
6A	60263	GASKET, ELBOW	1
26	85252	HOSE, 17" L, DOME TO VACUUM MOTOR	1

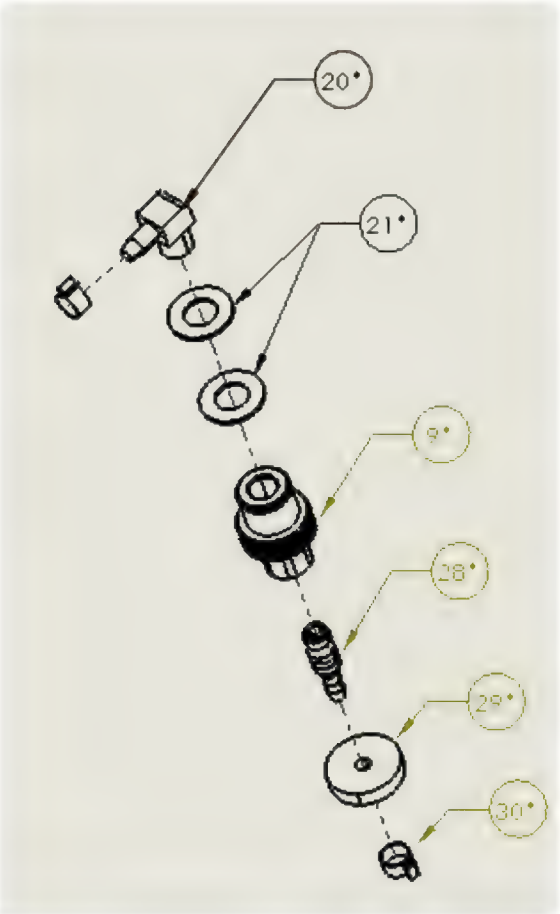
5.2 MAIN BODY DIAGRAM



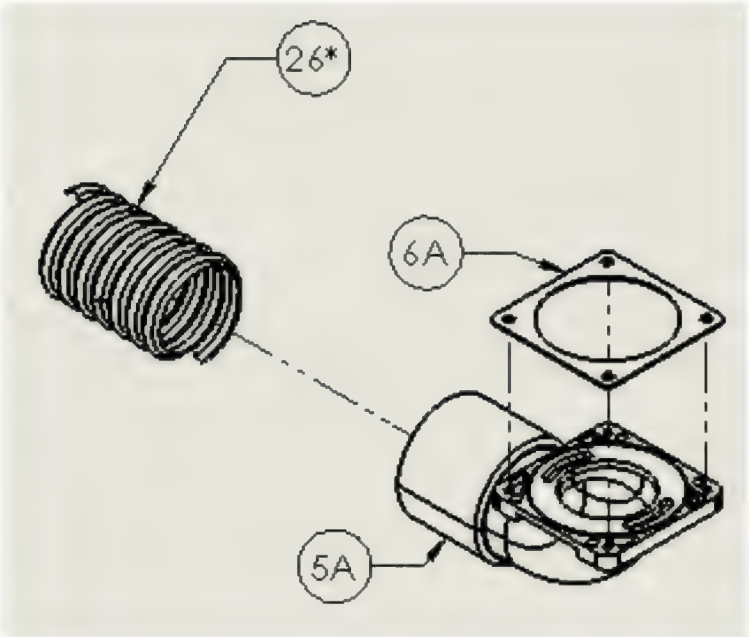
5.3 VACUUM MOTOR DIAGRAM



5.4 UPHOLSTERY TOOL
QUICK-CONNECTION DIAGRAM



5.5 VACUUM HOSE, MOTOR INLET FROM
DOME DIAGRAM



5.6 VACUUM MOTOR

Follow steps in section 2.3 and 4.3,

- 5.6.1 Remove the motor baffle on top of the vacuum motor.
- 5.6.2 Remove the vacuum hose clamp and hose from the vacuum motor.
- 5.6.3 Remove the wire nuts connecting the two (2) BLACK motor wires, and the GREEN motor grounding wire.
- 5.6.4 Remove the motor by removing the three (3) mounting screws.

5.7 VACUUM MOTOR REASSEMBLY

- 5.7.1 Replace the vacuum motor, insuring the sealing ring is in place.
- 5.7.2 Reconnect the BLACK motor wires and the GREEN motor wire.
- 5.7.3 Secure the vacuum motor and the harness straps to the main body with the three (3) screws and washers.
- 5.7.4 Attach the vacuum hose and clamp.
- 5.7.5 Place the motor baffle on the vacuum motor.

If there are no other repairs in this assembly, continue with section 4.4 and 2.4.

5.8 LOWER WIRE HARNESS

- 5.8.1 If they are not already removed, remove wire nuts connecting the following:
 - BLACK and WHITE,
 - BLACK, WHITE and BLUE,
 - ORANGE and RED,
 - GREEN wires.

- 5.8.2 To complete this replacement, perform instructions located in SECTION 6.7.

- 5.8.3 Reconnect wires as originally connected above, inside the vacuum cover.

If there are no other repairs in this assembly, continue with section 4.4 and 2.4.

5.9 UPHOLSTERY TOOL QUICK-CONNECT

- 5.9.1 Remove the male coupling (item 28) from the upper coupler compression fitting (item 9).
- 5.9.2 Remove the clamp and solution tube from the male coupler fitting.
- 5.9.3 Replace the coupler fitting and reattach the solution hose.
Note: If the connection continues to fail, replace the upper coupling.
- 5.9.4 Disconnect the upper female coupling by unscrewing the coupler and the elbow. The elbow is forward threads and coupler has the receiving (reverse threads).
- 5.9.5 Replace the coupling with the original washers and thread sealant.
- 5.9.6 Reattach compression fittings for use in "FLOOR" mode.

5.10 VACUUM HOSE, MOTOR INLET

Follow steps in sections 2.3 and 4.3,

- 5.10.2 Then remove the screws holding the elbow.
- 5.10.3 Unscrew the elbow from the hose (reverse threads).
- 5.10.4 Replace the hose.

To complete this replacement, follow steps 4.4 and 2.4.

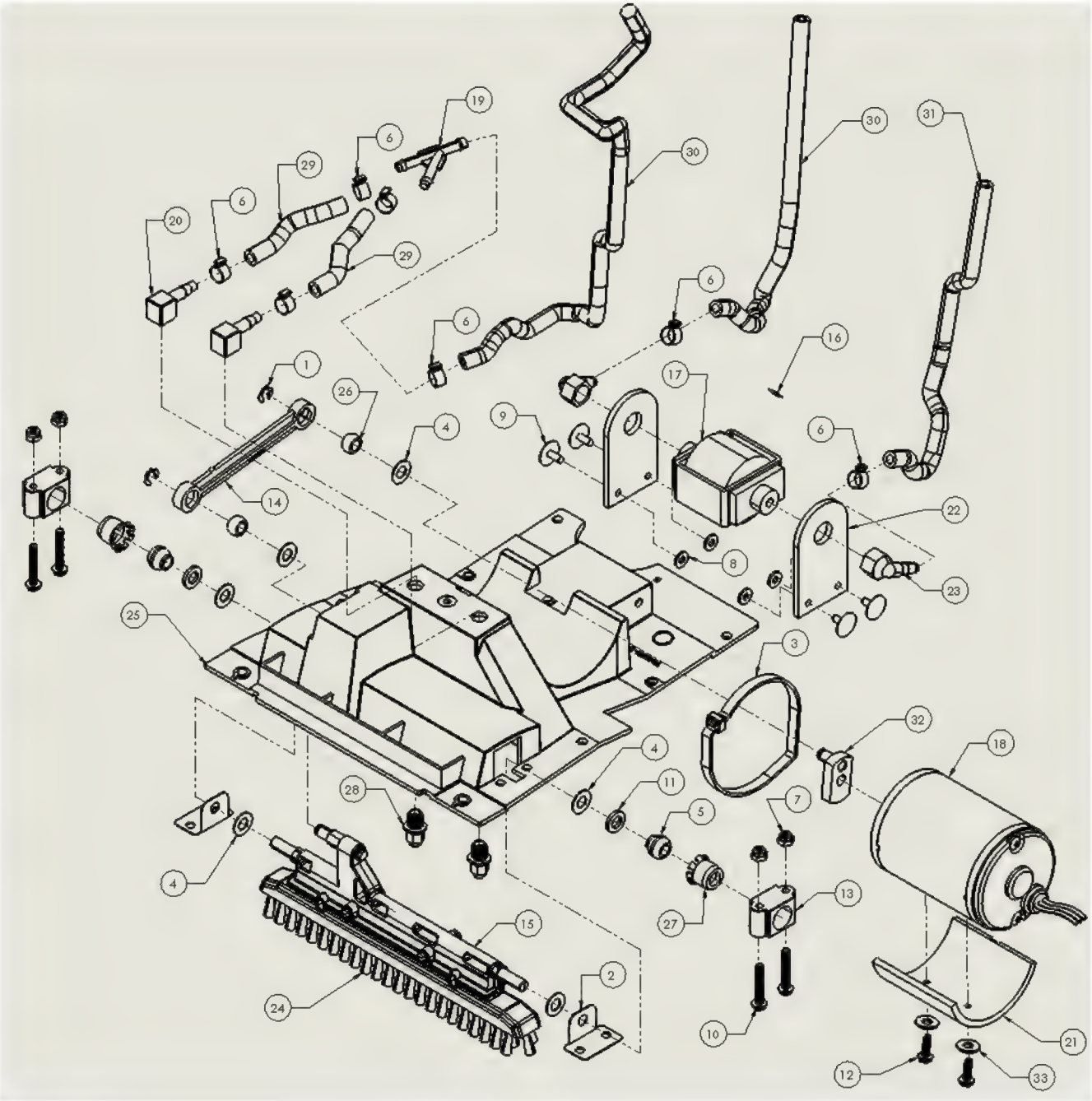
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SECTION 6: BOTTOM PAN

6.1 BOTTOM PAN BOM

ITEM	PART #	DESCRIPTION	QTY.
1	20604	RETAINING C-CLIP PO-25	2
2	60792	MYLAR SPLASH GUARD	2
3	60166	BLACK TIE, PLASTIC STRAP	1
4	10316	WASHER, NYLON .341" ID, 0.68" OD, .06" THK	6
5	10341	BEARING PILLOW BLOCK	2
6	11845	CLAMP, HOSE, OETIKER 12 mm	7
7	20231	NUT NYLOCK 10-32 SST	4
8	20266	WASHER AL .200" ID	4
9	20388	RIVET ALUM LARGE HEAD	4
10	20390	SCREW 10-32 X 1-14" FLANGE HEX HEAD	4
11	20840	WASHER, FELT 5/8"	2
12	20906	SCREW, 10-32 X 5/8" FLANGE HEX HEAD	2
13	40353	PILLOW BLOCK	2
14	40388	DRIVE ARM SELF ALIGNING	1
15	45125	BRUSH HOLDER ASSY AL	1
16	50258	DIODE ASSY (only used with previous pump from Gotec)	1
	51135	FUSE ASSEMBLY (only used with JLT pump)	
17	12158	PUMP REPAIR KIT	1
18	92979	BRUSH MOTOR KIT	1
19	60138	CONNECTOR Y	1
20	60139	FITTING, BARB, 90°	2
21	60598	GASKET, MOTOR 3/16" THK RUBBER, 4" X 3"	1
22	60720	PUMP MOUNT, 3/16" THK RUBBER	2
23	60764	ELBOW BARB, 1/4"	2
24	60779	BRUSH STRIP ASSY	1
25	65415	BOTTOM PAN	1
26	80596	BUSHING DRIVE ARM	2
27	80597	SLEEVE HOLDER BEARING	2
28	80881	TIP JET 110° NYLON	2
29	85231	SOL. HOSE RBNF. 1/4" X 3" L	2
30	85253	SOL. HOSE RBNF. 1/4" X 18-1/2" L	2
31	85254	SOL. HOSE RBNF. 1/4" X 35-1/4" L	1
32	90069	CAM ASSEMBLY	1
33	20853	WASHER FL #10 X .518" O.D.	2

6.2 BOTTOM PAN DIAGRAM




ITEM	PART #	DESCRIPTION	QTY.
REF	20962	10-16 X 3/4" SST PHILLIPS BUTTON HEAD SCREW	8
REF	20853	WASHER FL #10 X .518" O.D.	8
REF	20393	SCREW, 6-32 x 33 MM SS (TO SECURE BRUSH ASSEMBLY)	2
REF	20232	NUT, NYLOCK 6-32 SS (TO SECURE BRUSH ASSEMBLY)	2

6.3 BRUSH MOTOR

- 6.3.1 Remove one of the wheel hub caps, and then remove the wheels and axle.
- 6.3.2 Remove the eleven screws that attach the bottom pan to the lower tank assembly. Carefully drop the bottom pan and lay the unit on its rear. Note: the solution hoses will be under tension so be careful not to damage them.
- 6.3.3 Cut the cable tie that bundle the three motor wires.
- 6.3.4 Disconnect the three motor wires.
- 6.3.5 Remove the retaining c-clip (item 1) and the drive arm (item 14) from the cam assembly.
- 6.3.6 Remove the two hex screws (items 12) that attach the motor to the bottom pan.
- 6.3.7 Remove the cable tie holding the motor to the bottom pan.
- 6.3.8 Replace the brush motor and attach to the bottom pan with a cable tie and screws.
- 6.3.9 Attach the drive arm and c-clip to the cam assembly.
- 6.3.10 Reconnect the three motor wires.
- 6.3.11 Bundle and replace the cable tie as original.
- 6.3.12 Attach the bottom pan to the lower tank assembly.

6.4 PUMP

- 6.4.1 Remove one of the wheel hub caps, and then remove the wheels and axle.
- 6.4.2 Remove the eleven screws that attach the bottom pan and vent panel to the lower tank assembly. Carefully drop the bottom pan and lay the unit on its rear. Note: the solution hoses will be under tension so be careful not to damage them.
- 6.4.3 Cut the cable tie that bundle the pump wires.
- 6.4.4 Disconnect the two pump wires (everything back to the BLACK and WHITE supply wires). If removing a Gotec pump, be sure to remove the diode, as shown in Figure 4.
- 6.4.5 Remove the tube clamps from the solution tubes.
- 6.4.6 Remove the solution tubes from the pump.
- 6.4.7 Remove the pump from the rubber mounting brackets.
- 6.4.8 Replace the pump in the same orientation of the pump that was removed. Viewing from the front of the unit, the water flow arrow should be pointing right to left. 
- 6.4.9 Attach the solution hoses to the pump and clamp securely to insure no leaks.
- 6.4.10 Connect the pump wires to the supply wires.
- 6.4.11 Bundle and replace the cable tie as original.
- 6.4.12 Attach the bottom pan and vent panel to the lower tank assembly.

6.5 DRIVE ARM

- 6.5.1 Remove one of the wheel hub caps, and then remove the wheels and axle.
- 6.5.2 Remove the eight screws that attach the bottom pan to the lower tank assembly. Carefully drop the bottom pan and lay the unit on its rear. Note: the solution hoses will be under tension so be careful not to damage them.
- 6.5.3 Remove the two retaining c-clips (items 1) from the cam assembly and brush assembly.
- 6.5.4 Remove the drive arm (item 14) and replace.
- 6.5.5 Attach the two retaining c-clips to the cam assembly and brush assembly.
- 6.5.6 Attach the bottom pan to the lower tank assembly.

6.6 FLOOR BRUSH

- 6.6.1 Remove one of the wheel hub caps, then remove the wheels and axle.
- 6.6.2 Remove the eight screws that attach the bottom pan to the lower tank assembly. Carefully drop the bottom pan and lay the unit on its rear. Note: the solution hoses will be under tension so be careful not to damage them.
- 6.6.3 Remove the retaining c-clip (item 1) and the drive arm from the brush strip assembly.
- 6.6.4 Release the brush strip assembly by removing the pillow block screws (items 10).
- 6.6.5 Remove the pillow blocks (items 13) and all of the hardware on each end of the assembly.
- 6.6.6 Remove the brush strip assembly from the bottom pan and replace.
- 6.6.7 Replace the hardware and pillow blocks on each end of the assembly.
- 6.6.8 Secure in place with the pillow block screws and nuts.
- 6.6.9 Attach the drive arm and secure with the c-clip.
- 6.6.10 Attach the bottom pan to the lower tank.

6.7 LOWER WIRE HARNESS

Following the instructions in 5.8.1,

- 6.7.1 Remove the vent panel, (Note: it may also be necessary to disassemble the lower pan.)
- 6.7.1 Remove the cable tie that bundles the lower wiring.
- 6.7.2 Disconnect each of the harness wires: BLACK, WHITE, ORANGE and GREEN.
- 6.7.3 Replace the wire harness and reconnect wiring.
- 6.7.4 Replace the cable tie to bundle the wire as original.
- 6.7.5 Attach the vent panel.

Return to section 5.8.3.

6.8 BRUSH STRIP

- 6.8.1 Release the two screws and nuts holding the brush strip to the brush assembly.
- 6.8.2 Remove the brush strip (snap fit), and replace.
- 6.8.3 Snap brush strip into place and reapply screws and nuts.

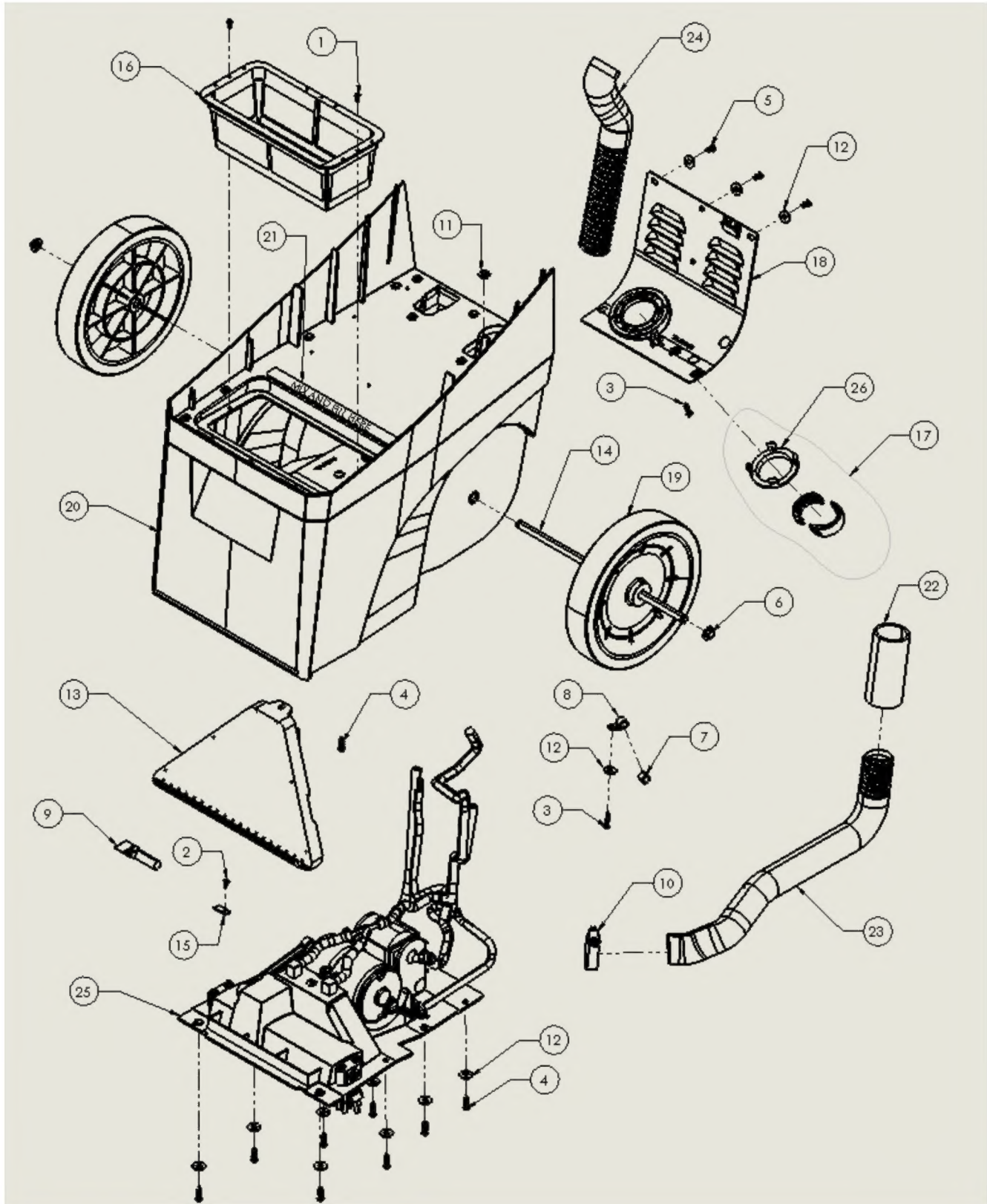
SECTION 7: LOWER TANK

7.1 LOWER TANK

RD = RED UNIT, BU = BLUE UNIT, NUMBER ONLY = BOTH

ITEM	PART #	DESCRIPTION	QTY.
1	20964	6-20 X 3/8" SST PHILLIPS BUTTON HEAD SCREW	2
2	20963	6-20 X 5/8" SST PHILLIPS BUTTON HEAD SCREW	1
3	20965	8-18 X 3/4" SST PHILLIPS BUTTON HEAD SCREW	2
4	20962	10-16 X 3/4" SST PHILLIPS BUTTON HEAD SCREW	9
5	20968	10-16 X 1/2" SST PHILLIPS BUTTON HEAD SCREW	3
6	11183 RD	3/8" HUB CAP RED	2
6	45183 BU	3/8" HUB CAP BLUE	2
7	60798	GROMMET FOR CABLE SJT	1
8	60796	CABLE P-CLAMP	1
9	10461	LINE STRAINER, SUMP FILTER, 2 1/2" L	1
10	11995	CLAMP HOSE 25-40mm SST, ZINC SCREW	1
11	60797	O-RING 9/16" O.D.	1
12	20853	WASHER FL #10 X .518" O.D.	12
13	45123	NOZZLE FLOOR WITH ROLLED LIP	1
14	45124	REAR AXLE, 3/8" DIA. SMOOTH HUB	1
15	60687	TAB SUMP LINE RETAINER	1
16	60400	FILTER SCREEN 9.11" L	1
17	93079	SPLIT GROMMET KIT	1
18	60776	VENT PANEL	1
19	10231 RD	WHEEL TIRE 8" DIA. SMOOTH HUB	2
19	60778 BU	WHEEL TIRE 8" DIA. SMOOTH HUB	2
20	65418 RD	TANK HOUSING COMPLETE WITH BUSHINGS	1
20	65414 BU	TANK HOUSING COMPLETE WITH BUSHINGS	1
21	77001	MIX AND FILL HERE LABEL	1
22	80773	HOSE END ENLARGED	1
23	85246	VAC HOSE 18" L (NOZZLE TUBE)	1
24	85250	VAC HOSE EXHAUST 22" L	1
26	60767	GROMMET RETAINER	1

7.2 LOWER TANK DIAGRAM



7.3 FLOOR NOZZLE

- 7.3.1 Release the bottom pan by removing eight screws
- 7.3.2 The floor nozzle (item 13) will release from the lower tank.
- 7.3.3 Loosen the vacuum hose clamp.
- 7.3.4 Remove the vacuum hose from the floor nozzle.
- 7.3.5 Replace the vacuum hose assembly if necessary.
- 7.3.6 Attach the vacuum hose and clamp to the new floor nozzle.
- 7.3.7 Tighten the clamp and replace the floor nozzle into the lower tank.
- 7.3.8 Replace the bottom pan.

7.4 VENT PANEL AND REAR VACUUM HOSE

- 7.4.1 Release the vent panel by removing the 3 screws at the top of the panel, and the screw in the bottom of the panel.
- 7.4.2 Replace the vacuum hose by unscrewing it from the vent panel, reverse threads.
- 7.4.3 Replace the hose and panel as necessary.
- 7.4.4 Attach the vent panel to the lower tank and the bottom pan as the original assembly.

SECTION 8: WIRING DIAGRAM

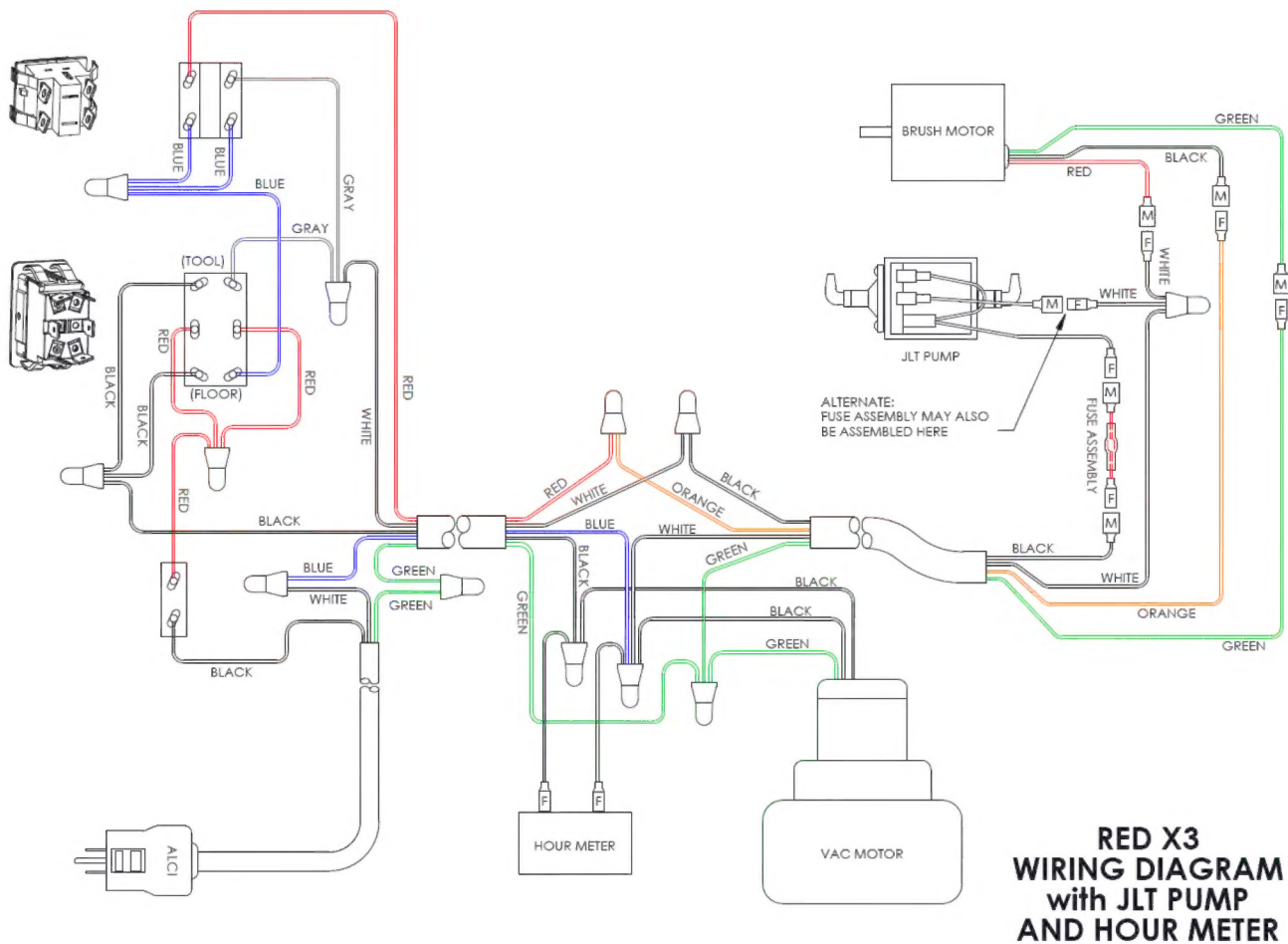


FIGURE 3 - JLT WIRING DIAGRAM

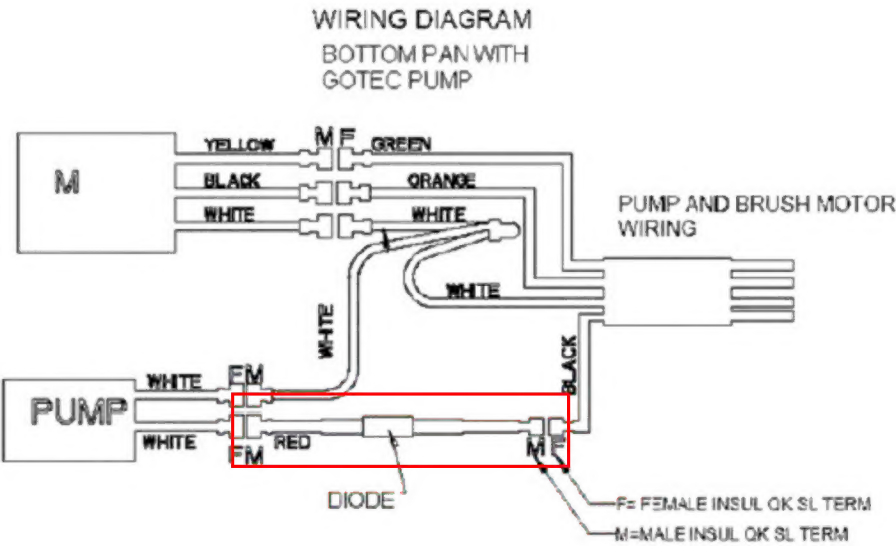


FIGURE 4 - GOTEC WIRING DIAGRAM (FOR REFERENCE ONLY)

